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Date of Deposit : February 27, 2002

Serial No. : 09/836,746

Filing Date : April 17, 2001

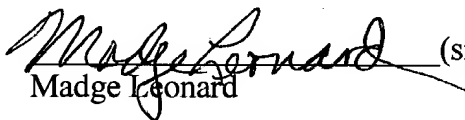
Title : PROTEIN EXPRESSION SYSTEM ARRAYS
AND USE IN BIOLOGICAL SCREENING

Group Art Unit : 1645

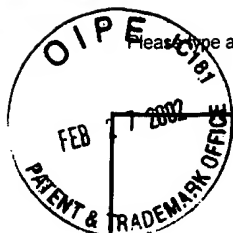
Examiner : Unknown

Type of Documents : Transmittal Form
Information Disclosure Statement (in duplicate)
PTO/SB/08A
References: 45
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41305-253159
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PTO/SB/21 (08-80)

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number 09/836,746

Filing Date April 17, 2001

First Named Inventor Andrew Patron

Group Art Unit 1645

Examiner Name Unknown

Total Number of Items in This Submission (including Transmittal Form) 50

Attorney Docket Number 41305-253159

ENCLOSURES (check all that apply)

☐ Fee Transmittal Form

☐ Fee Attached

☐ Amendment / Response

☐ After Final

☐ Affidavits/declaration(s)

☐ Extension of Time Request

☐ Express Abandonment Request

☒ Information Disclosure Statement

☐ Certified Copy of Priority Document(s)

☐ Response to Missing Parts/Incomplete Application

☐ Response to Missing Parts under 37 CFR 1.52 or 1.53

☐ Assignment Papers (for an Application)

☐ Drawing(s)

☐ Licensing-related Papers

☐ Petition

☐ Petition to Convert to a Provisional Application

☐ Power of Attorney, Revocation Change of Correspondence Address

☐ Terminal Disclaimer

☐ Request for Refund

☐ CD, Number of CD(s) _____

☐ After Allowance Communication to Group

☐ Appeal Communication to Board of Appeals and Interferences

☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)

☐ Proprietary Information

☐ Status Letter

☒ Other Enclosure(s) (please identify below):
Form PTO/SB/08A with
45 References attached
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Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name Cynthia B. Rothschild, Esq.
Reg. No. 47,040

Signature

Date

February 27, 2002

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Applicant : Andrew Patron, et al.
Ser. No. : 09/836,746
Filing Date : April 17, 2001
For : **Protein Expression System Arrays And Use In
Biological Screening**
Examiner : Unknown
Art Unit : 1645

ASSISTANT COMMISSIONER FOR PATENTS
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INFORMATION DISCLOSURE STATEMENT

S I R:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO/SB/08A (formerly 1449). A copy of each of the references listed on the attached form is submitted herewith.

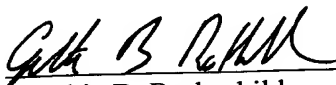
It is respectfully requested that the references listed on the attached form be expressly considered by the Examiner and be made of record in the application and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being submitted prior to the mailing of a first action on the merits in the present application. Accordingly, it is believed that no fees are due for consideration of this Information Disclosure Statement. However, should any fees be due, the Assistant Commissioner is authorized to charge such fees to Deposit Account 16-1435. A duplicate of this sheet is attached for that purpose.

Respectfully submitted,

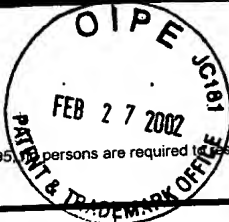
Date: February 27, 2002

By:


Cynthia B. Rothschild
Reg. No. 47,040

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Attorney Docket No.: 41305-253159
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Substitute for form 1449APTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	09/836,746
Filing Date	April 17, 2001
First Named Inventor	Andrew Patron
Group Art Unit	1645
Examiner Name	Unknown
Attorney Docket Number	41305-253159

Sheet 1 of 2

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	1	4,591,570		Chang	5/27/1986	
	2	4,873,313		Crawford, et al.	10/10/1989	
	3	5,512,131		Kumar, et al.	4/30/1996	
	4	5,629,213		Kornguth, et al.	5/13/1997	
	5	5,731,152		Maracas, et al.	3/24/1998	
	6	5,733,743		Johnson, et al.	3/31/1998	
	7	5,837,832		Chee, et al.	11/17/1998	
	8	5,858,657		Winter, et al.	1/12/1999	
	9	5,871,907		Winter, et al.	2/16/1999	
	10	5,969,108		McCafferty, et al.	10/19/1999	
	11	5,977,322		Marks, et al.	11/2/1999	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴				
	12		WO 00/04382	Zyomyx, Inc.	1/27/2000		✓
	13		WO 00/04389	Zyomyx, Inc.	1/27/2000		✓
	14		WO 00/04390	Zyomyx, Inc.	1/27/2000		✓
	15		WO 00/47996	Illumina, Inc.	8/17/2000		✓
	16		WO 00/71992	Illumina, Inc.	11/30/2000		✓
	17		WO 00/71995	Illumina, Inc.	11/30/2000		✓
	18		WO 01/18524	Illumina, Inc.	3/15/2001		✓
	19		WO 90/02809	Protein Engineering Corporation	3/22/1990		✓
	20		WO 98/50773	University of Minnesota	11/12/1998		✓
	21		WO 98/59362	Ciphergen Biosystems, Inc.	12/30/1998		✓
	22		WO 98/43086	Kimberly-Clark Worldwide, Inc.	10/1/1998		✓
	23		WO 99/40434	Invitrogen	8/12/1999		✓

Examiner Signature

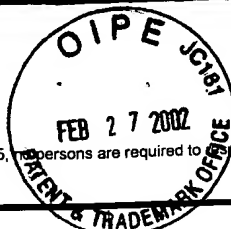
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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First Named Inventor	Andrew Patron
Group Art Unit	1645
Examiner Name	Unknown
Attorney Docket Number	41305-253159

Sheet 12 of 2

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	24	Ausubel, F.M. et al., <i>Short Protocols in Molecular Biology</i> , Chapter 9, 2 nd Edition, (1992)	✓
	25	Barbas, C.F. et al., "Assembly of combinatorial antibody libraries on phage surfaces: The gene III site", <i>Proc. Natl. Acad. Sci., USA</i> , 88:7978-82 (1991)	✓
	26	de Bruin, R. et al., "Selection of high-affinity phage antibodies from phage display libraries", <i>Nature Biotechnology</i> , 17:397-399 (April 1999)	✓
	27	Everall, N.J. et al., "Performance Analysis of an Integrated Process Raman Analyzer Using a Multiplexed Transmission Holographic Grating, CCD Detection, and Confocal Fiber-Optic Sampling", <i>Appl. Spectrosc.</i> 49:610-615 (1995)	✓
	28	Hamilton, David P. & Antonio Regalado, "In Hot Pursuit of the Proteome", <i>Wall Street Journal</i> (April 5, 2001)	✓
	29	Hoaglund-Hyzer C.S., et al., "Mobility Labeling for Parallel CID of Ion Mixtures", <i>Anal. Chem.</i> , 72:2737-40 (2000)	✓
	30	Ideue, S., et al., "Conformational change of electrosprayed cytochrome c studied by laser-induced fluorescence", <i>Chemical Physics Letters</i> , 337:79-84, (2001)	✓
	31	Kubarych, K. "Ultrafast Spectroscopy", at lphys.chem.utoronto.ca/kjk/research.html (2001)	✓
	32	Luckow, V.A., and Max D. Summers, "Trends in the Development of Baculovirus Expression Vectors", <i>BioTechnology</i> 6:47-55 (1988)	✓
	33	Marks, J.D. et al., "Molecular Evolution of Proteins on Filamentous Phage" <i>J. Biol. Chem.</i> , 267:16007-16010 (1992)	✓
	34	Parnley, S.F. and G.P. Smith, et al., "Antibody-selectable filamentous fd phage vectors: affinity purification of target genes", <i>Gene</i> , 73:305-318 (1988)	✓
	35	Radeke, H.S., et al., "Interactions of (-)-ilimaquinone with methylation enzymes: implications for vesicular-mediated secretion", <i>Chem. Biol.</i> , 6, 639-647 (1999)	✓
	36	Robertsson, G., "Simple and Efficient Multivariate Calibration of Nonlinear Absorption Spectroscopic Data", <i>Appl. Spectrosc.</i> , 55:98-103 (2001).	✓
	37	Rotman, D., "Nanotech Goes to Work", <i>Technology Review</i> at www.techreview.com/magazine/jan01/rotman.asp (January 2001)	✓
	38	Sambrook, J. et al., <i>Current Protocols: Molecular Cloning</i> , Chapter 16, Cold Spring Harbor Laboratory Press (2000)	✓
	39	Sche, P.P. et al., "Display cloning: functional identification of natural product receptors using cDNA-phage display", <i>Chem. & Biol.</i> , 6, 707-716 (1999)	✓
	40	Scott, JK and G.P. Smith, et al., "Searching for peptide ligands with an epitope library", <i>Science</i> 249:386-90 (1990)	✓
	41	Scultz, G., "Integrated Monolithic Microfabricated Electrospray Device" available at www.cnf.cornell.edu (2001)	✓
	42	Soderlind, E. et al., "Phage Display Technology in Antibody Engineering: Design of Phagemid Vectors and <i>in vitro</i> Maturation Systems", <i>Immunol. Rev.</i> , 130:109-124 (1992)	✓
	43	Talbot, D., "Upstream: Computing's New Spin", at www.techreview.com/magazine/jan01/upstream.asp (January 2001)	✓
	44	"Visualize: DNA Chips", <i>Technology Review</i> at www.techreview.com/magazine/jan01/visualize.asp (January 2001)	✓
	45	Winter, G. et al., "Making antibodies By Phage Display Technology", <i>Annu. Rev. Immunol.</i> , 12:433-55 (1994)	✓

Examiner
Signature

Date
Considered

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